

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : D. Amnon Silverstein

Art Unit : 2612

Serial No. : 09/484,667

Examiner : Rosendale, Matthew L.

Filed : Jan. 18, 2000

Title : POINTING DEVICE FOR DIGITAL CAMERA DISPLAY

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

EXHIBIT J

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 on:

June 14, 2004

Date



(Signature of person mailing papers)

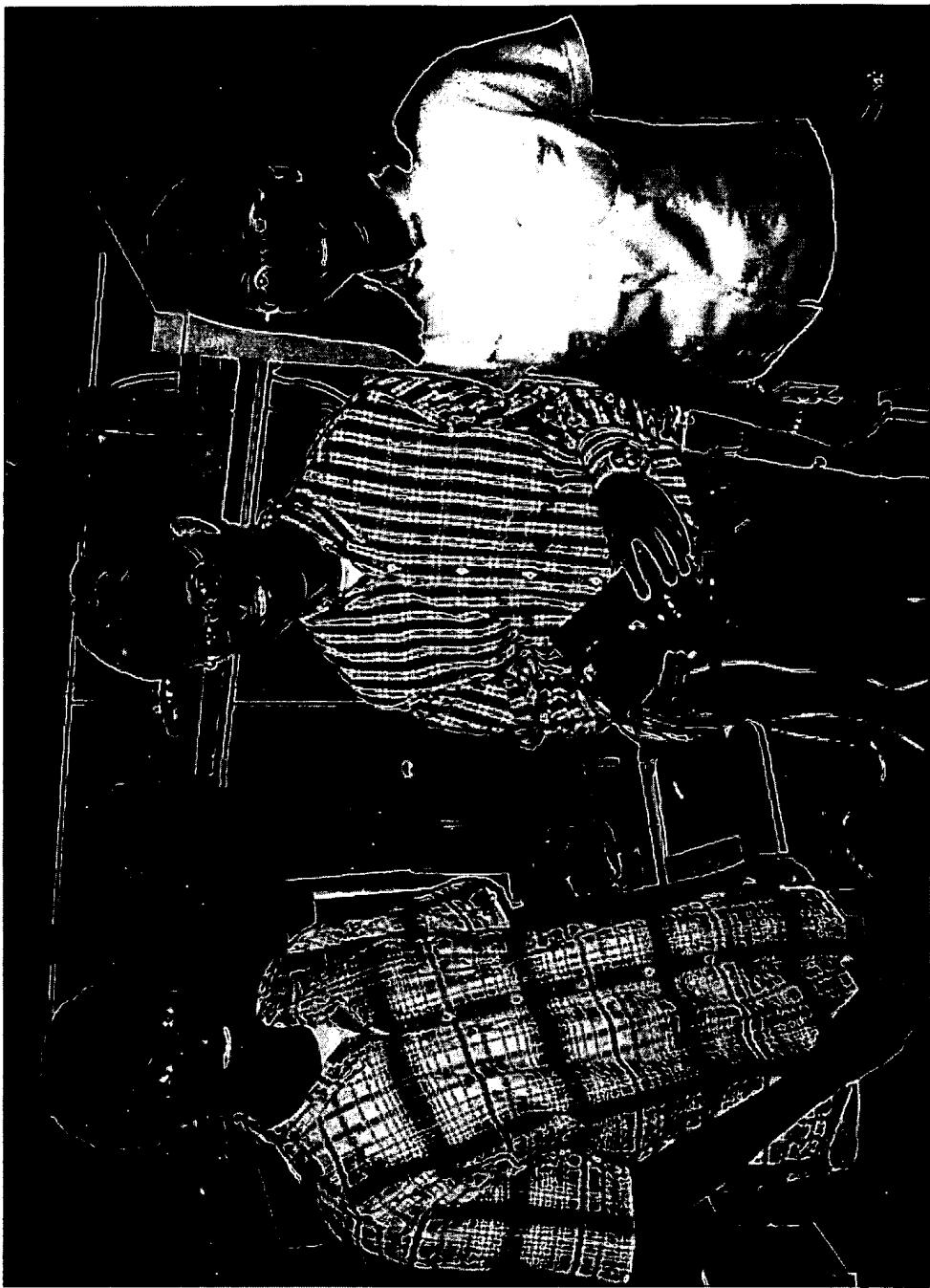
Edouard Garcia

(Typed or printed name of person mailing papers)

Capybara

A viewfinder camera testbed

Amnon Silverstein, Ada Chan, Chetan Nandakumar



A New Camera Use Model

- Capture, store, index and review images with the camera
- Edit images with the camera
- Print directly from the camera

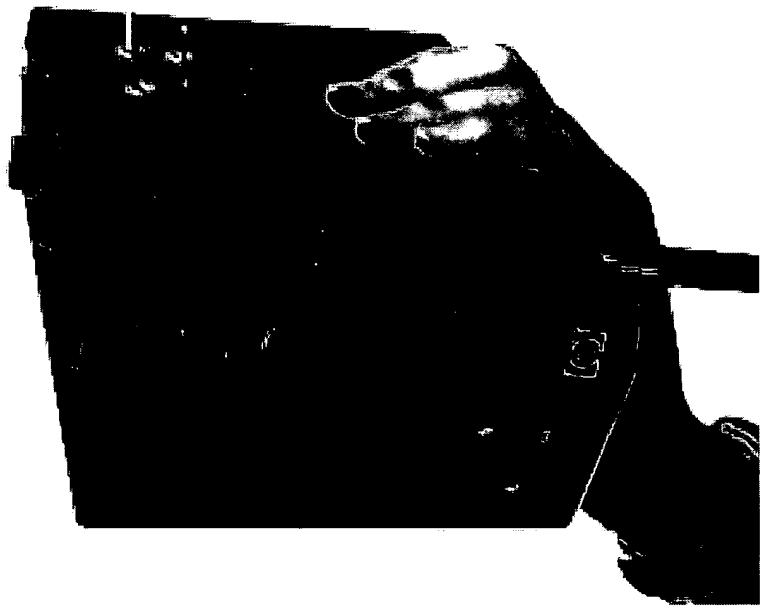
This is all possible because the new camera has high display quality and a motion sensor which allows an easy user interface.

Capybara Team

Amnon Silverstein (ITD) Software Leader
Chetan Nandakumar (SEED) Software Development
Ada Chan (SEED) Software Development
Joyce Farrell (ITD) Project Manager

With help from:

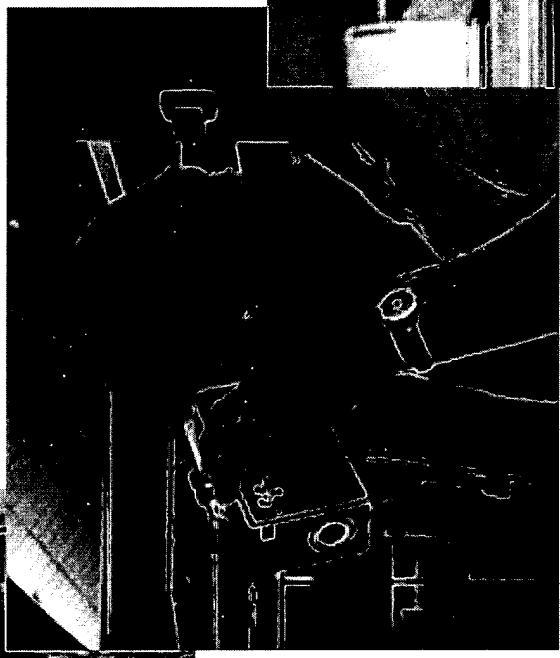
Heather Bean (HID) Hardware Specialist
Neela Gaddis(CORL) Microdisplay Leader
Ken Nishimura(CORL) Microdisplay Hardware
Pierre Mertz (CORL) Microdisplay Hardware
Andy Patti (ITD) CAST Software
Yucel Altunbasak (ITD) CAST Software
Bob Gann (Greely) CAST Configuration
Susie Wee (VCD) Image Capture Software
Dan Tretter (ITD) Imaging Software
Xuemei Zhang (ITD) C++ Programming
Barry Bronson (HPL) Design Concept Advice



June

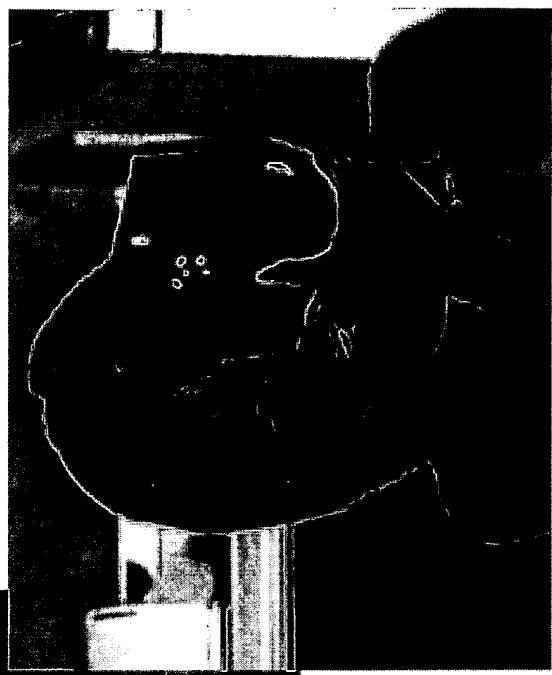


July



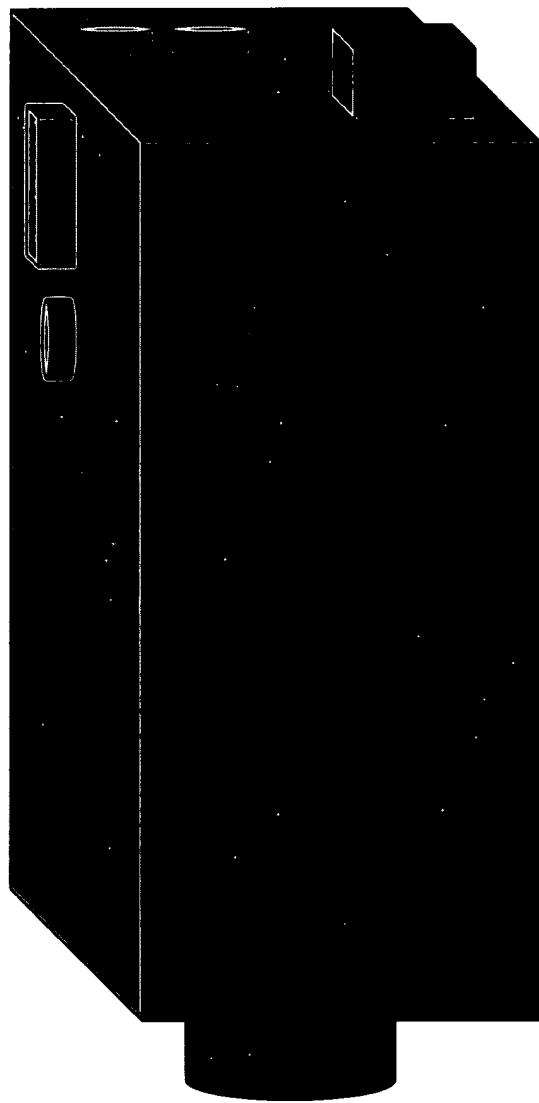
Summer 1999

August

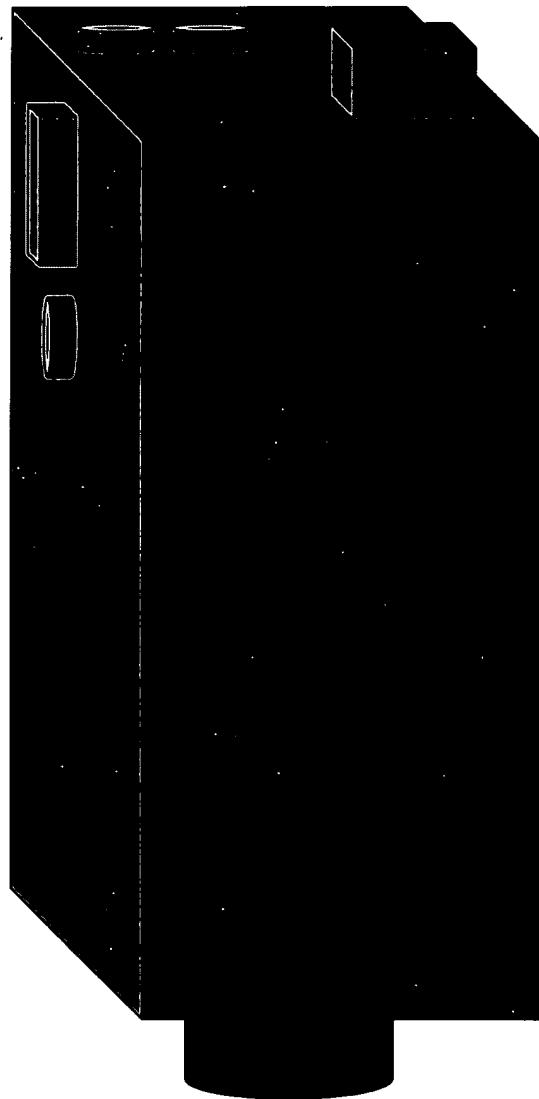
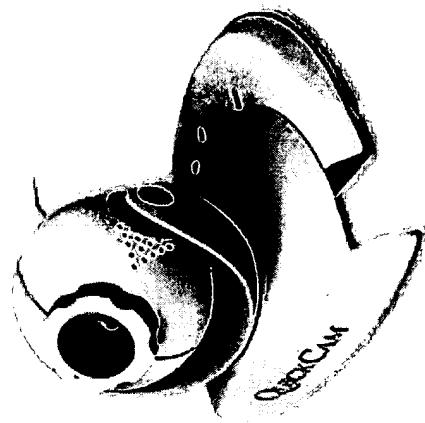




Key Features

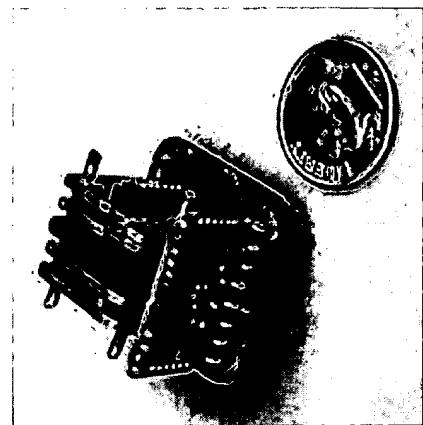


Key Features

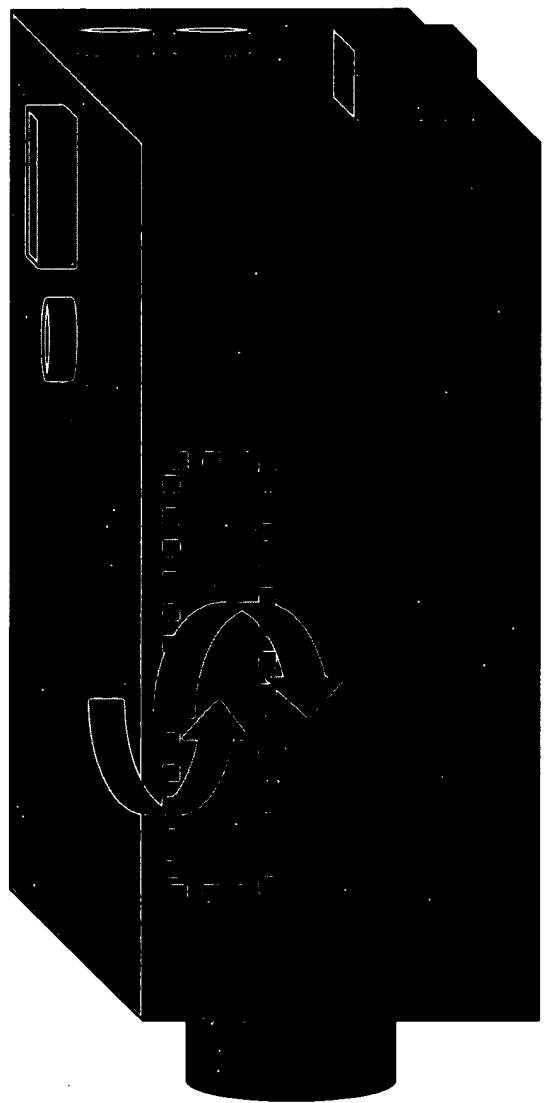


Camera sensor
is just a QuickCam

Key Features



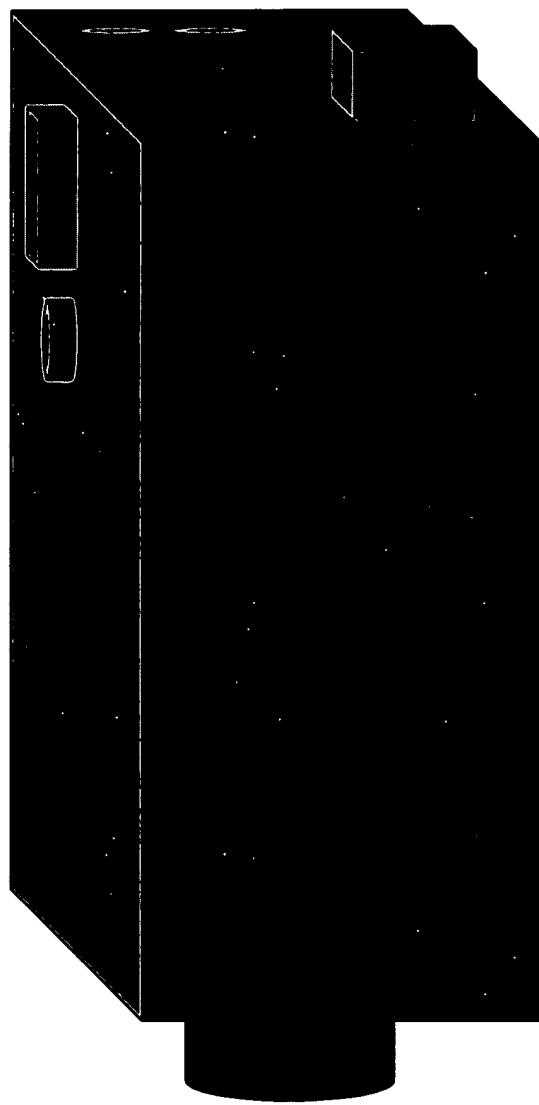
Gyration
Microgyro



Micro-gyro sensor

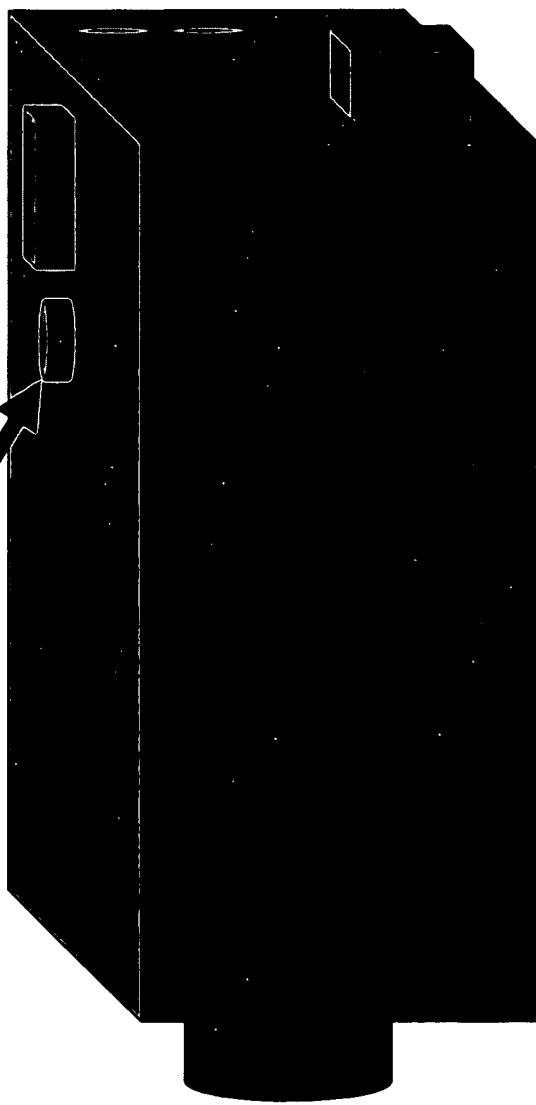
Key Features

Pushbutton user interface



Key Features

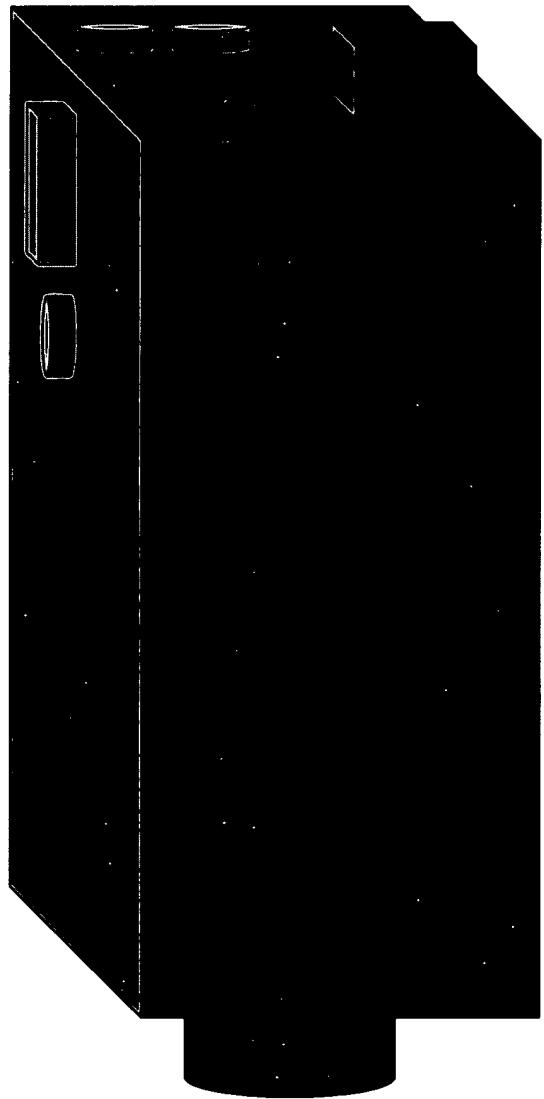
Function toggle
Rocker for smooth
adjustments



Capture>Select

Mode

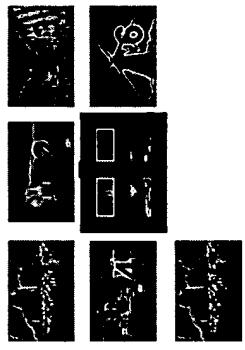
Key Features



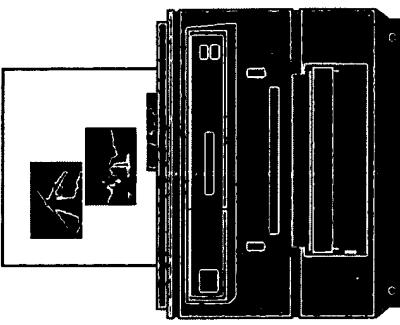
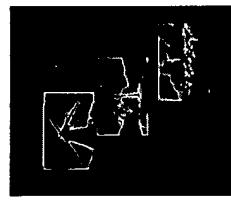
Microdisplay:

Much higher resolution and image quality than a camcorder display

Motion based UI

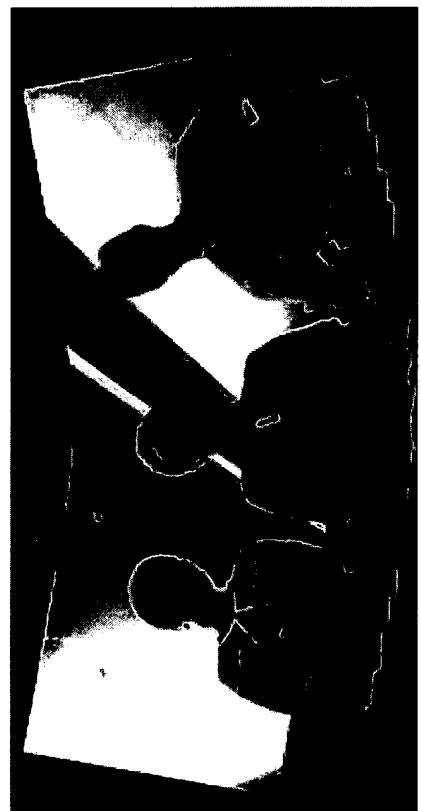


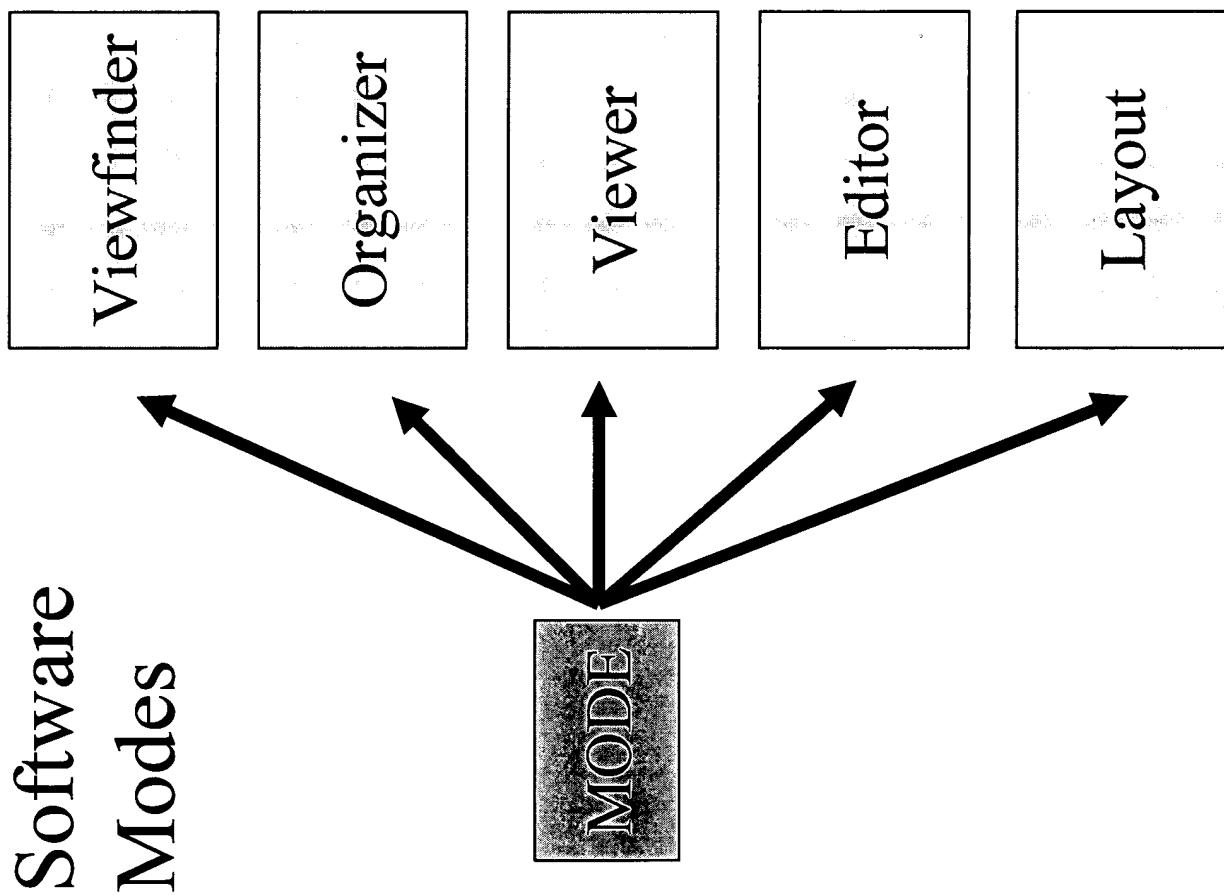
On board editing
and printing



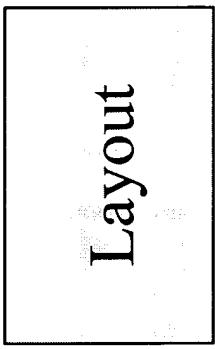
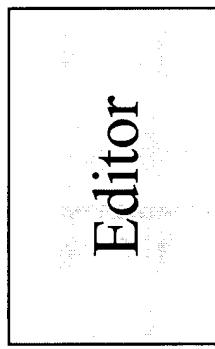
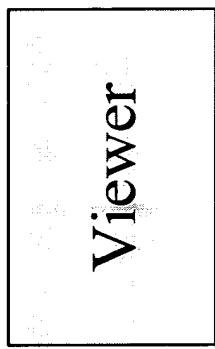
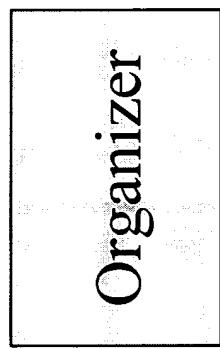
What's New?

Panoramic capture
and review





Software Modes



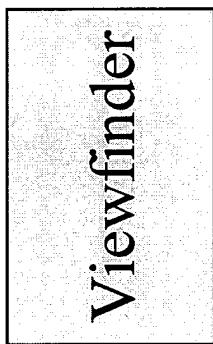
- Closed circuit video

- Capture with SELECT

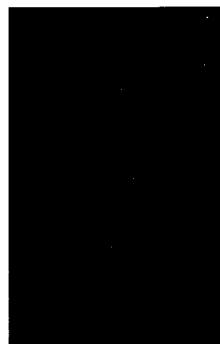
- Framing and status

- Zoom with ROCKER

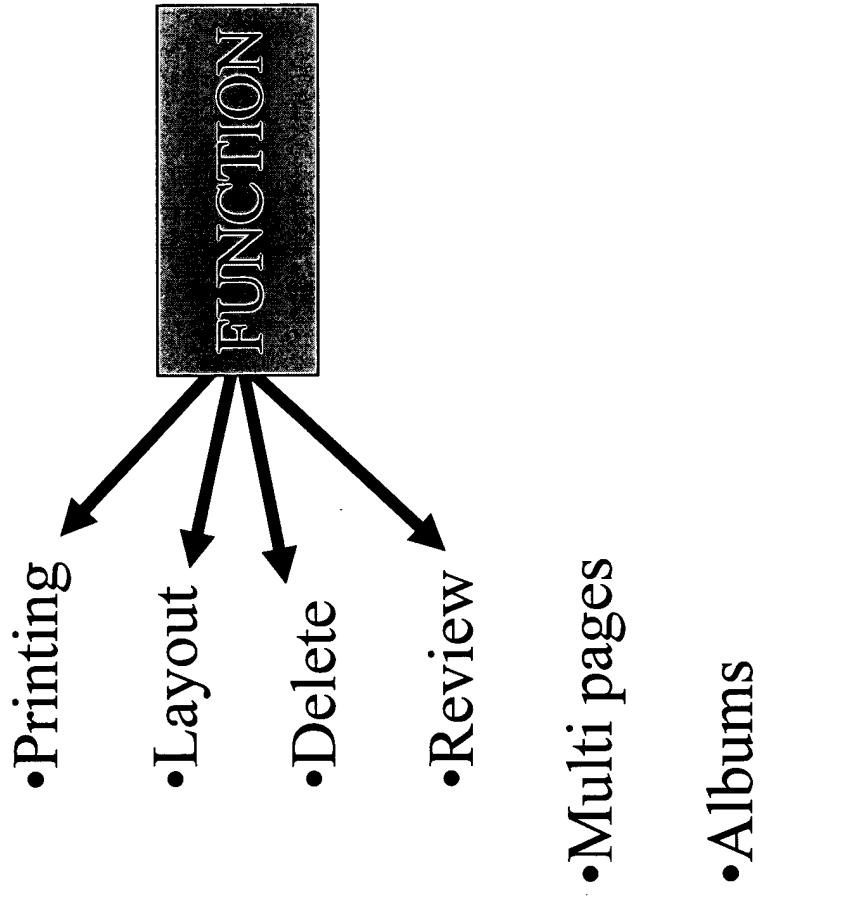
Software Modes



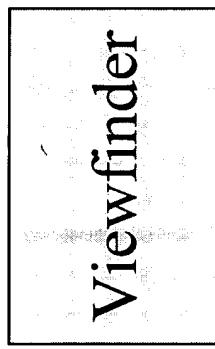
Thumbnail SELECT



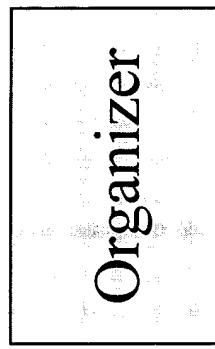
•Function key chooses:



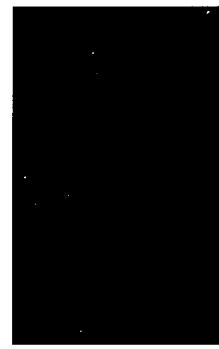
Software Modes



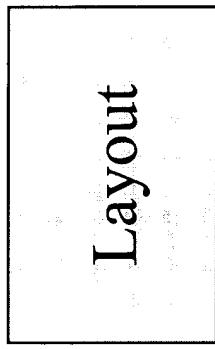
Viewfinder



Organizer



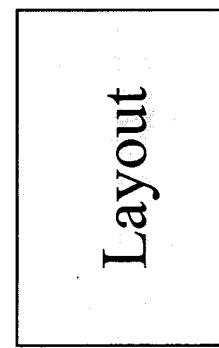
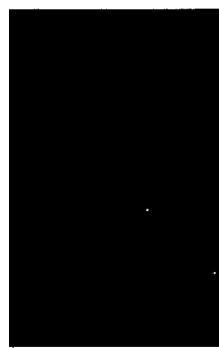
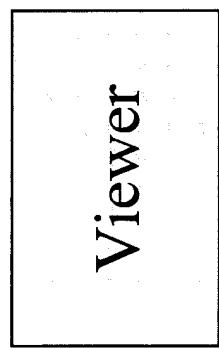
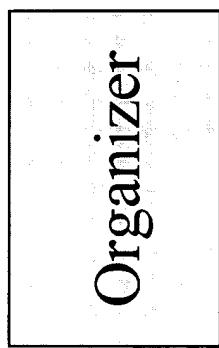
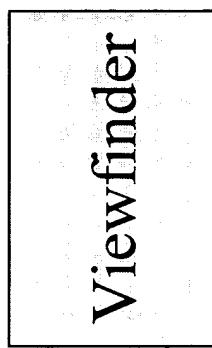
Editor



Layout

- Panoramic tracking
- Zoom ROCKER

Software Modes



•Crop

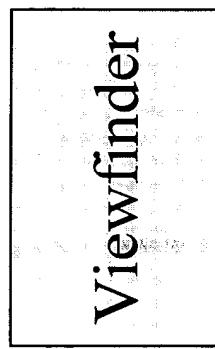
•Color adjust

•Brightness

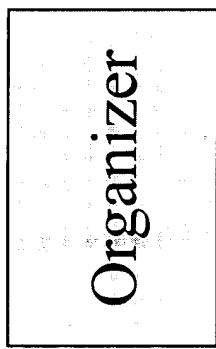
•Contrast



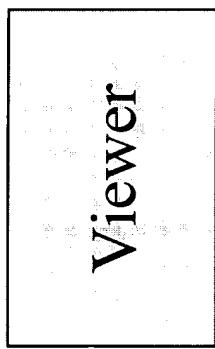
Software Modes



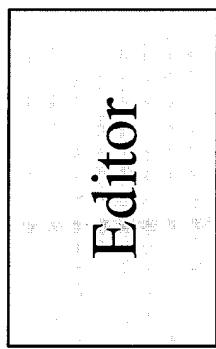
Viewfinder



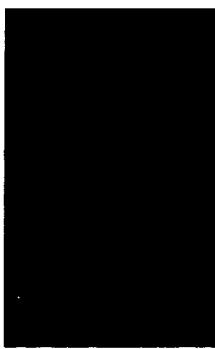
Organizer



Viewer



Editor



- SELECT layout
- SELECT the images
- Print